POTOMAC VALLEY RADIO CLUB NEWSLETTER - DECEMBER 1998

---------- Following info for readers of the electronic edition -----
Wrapper label:
Christmas Dinner
December 14th time corrections
Starts at 6:00 pm. Order from menu upon arrival.
Presentations at 7:30 pm.

I JUST REALIZED THAT I HAVE NOT BEEN INCLUDING THE "REFERENCE PAGE" IN THE ELECTRONIC EDITION. THAT WILL BE SENT SEPARATELY AND I'LL ADD IN INTO FUTURE EDITIONS. (The "Refererence page" lists officers and regional chapters of PVRC plus other info.)
--- editor, K3DI

--------------- End of notes to electronic edition ---------------

PVRC CALENDAR

Dec 10	Thu	PVRC/NC, Ryan's Family Steakhouse at Crossroads, Cary at 6 pm (Date change)
Dec 11-13	Fr-Su	ARRL 10 Meter Contest. 7 pm Fri - 7 pm Sun
Dec 14	Mon	Christmas Party replaced central meeting. See below.
Dec 15	Tue	Northwest meeting, Tully's Grill, 1080 W. Patrick St, Frederick, MD at 7:30 pm
Dec 15	Tue	Tidewater Colony meeting with VA-DXCC.
Dec 18	Fri	Normal SW VA Chapter meeting night. See reference page.
Jan 4	Mon	South MD at Wayne Rogers, N1WR, Lusby, MD, 7:30 pm
Jan 7	Thu	PVRC/NC, Ryan's Family Steakhouse at Crossroads, Cary at 6pm
Weekly	Wed	BWI Regional weekly breakfast. Wednesdays 7:30 am, Basil's Deli, Elkridge Landing Rd near BWI.

We regret to report the passing of two PVRC members.
Jules Wenglare, W6YO, of Delano, CA (first licensed as W8DVS in 1930), on Aug 16th at age 87.
Sherm Winings, WB4RDV of Columbia, MO on November 14th at age 66.

PVRC CHRISTMAS (HOLIDAY) DINNER - DEC 14th

The Official PVRC Christmas Dinner will be held on the normal meeting night (2nd Monday), December 14th, at 7PM. Location is the same as last year, the Olive Garden Restaurant on route 7 at International Drive/Gallows Road, Tysons Corner, VA. It is believed that we'll do the "pay as you go" plan again this year. See the central minutes below and watch packet and the reflector for more details.

PVRC CONTEST CALENDAR FOR DECEMBER 1998 by Tyler Stewart K3MM

Don't forget to send in all your claimed scores to W2GG ()

and please include all information, such as running single op, power level, or part of a multi-op or Dxpedition. Multi-ops should include a complete list of operators. Guest ops should include the callsign of the station owner.

Log Deadlines:

CQWW DX PhoneDec. 1stEmail to
 - .sum and an ascii log file
such as .all, .prn, .dat
ARRL SS CWDec. 8thEmail to
 - .sum and .log
ARRL SS Phone Dec. 22nd. If you email, be sure
you get an email receipt and check
ARRL 160M Jan 5th The "logs received"
listing when they come out at ARRL.
ARRL 10M Jan 12th. Put call, contest, and
class in subject line.
CQWW DX CW Jan. 15th. Email to
 - .sum and ascii log file.

ARRL 160 Meter Contest - (CW only) -
December 4th 22Z to December 6th 16Z
Club Competition - **5 Million Award**

Exchange: W/VE: RST and ARRL Section. DX: RST

Period:ALL 42 hours - no limits

Score:2 points for W/VE QSOs - 5 points for DX QSOs Mults are ARRL/RAC sections plus VE8/VY1 - max. 79 plus DXCC countries.

PVRC won the Medium Club Gavel last year with the top club score overall! Unlike the CQ 160 contest, you can generate a reasonably good score with a modest station because of the stateside points and multipliers. Help out the club and your 5 million total with a good effort in this one.

ARRL 10 Meter Contest - CW and SSB -
December 12th 00Z to December 13th 24Z
Club Competition - **5 Million Award**

Exchange:
W/VE: RS(T) and State/Province/DC
DX: RS(T) and Serial Number

Period:
All stations work no more than 36 of 48 hours
Scoring:
2 points for each Phone QSO
4 points for each CW QSO
8 points for each Novice (/N or /T stns) CW QSO

Multipliers are States, DC, VE provinces, DXCC countries and ITU regions (for /MM or /AM stations only) PER MODE.

Another PVRC Club Winner last year! We topped the Unlimited Club list ahead of FRC! If you aren't serious about doing the contest in a single mode, do it multi-mode as this will boost your score tremendously, helping both PVRC and your own standing in the 5 Million Award totals. Because of the scoring method, an average mixed mode entry will be worth more than double that of a single-mode entry.

With a little luck, this contest should be a lot of fun now that the spots are coming back.

DONATIONS REPORT by Dave Baugher, WR3L, Treas.

The club would like to thank W4PRO, K3SV, W3GN, K3SX, AF4CD, K3SO, W3JRY, ND3A, W4HM AND N5OKR for the donation to PVRC in November.

PVRC/NE MEETING MINUTES 11/5/98 by Dave Baugher, WR3L

Site: Dennys, Timonium

Attendees: N3WJA, K3FT, N3YHC, N3ZYP, W2GG and WR3L

Club business and announcements: N3YHC was attending his second meeting. Application was presented and given to W2GG for membership. K3FT and N3YHC will work as many contests as possible with WR3L. N3WJA, past president of BARC, and N3ZYP will try to attend other meetings to gain membership and also operate with a multi station. W2GG is committed to W3LPL for some contests but has said he should also be available for some contests at WR3L. W2GG will operate his station in the SS.
Next meeting to be held after the first of the year.

PVRC/NC MEETING 11/5/98 by Pete Soper, KS4XG

Site. The meeting was held at Ryans in Cary 6-7:30pm.

Attendees. AA4NC Will, K4HA Bob, K4MA Jim (chairman), K4QPL Jim, KF4ARS Kemp, KS4XG Pete (sec.), N3QYE Jim, N4CW Bert, N4TL Tom, NT4D Jay, NX9T Jeff, WX4DX George.

Membership. This is the first meeting of George, WX4DX sponsored by K4HA. George found us while helping with tower work @ AA4NC and has developed an interest in contesting. Welcome George! Chapter membership remains at 25.

Club business and announcements. There will be a meeting at Ryans next month but on the second THURSDAY.

AA4NC is looking for operators for M/S efforts for SS/phone and CQWW/CW. Contact Will at if you'd like to take part.

Next weekend is SS/CW so get on and send your points in for PVRC! SS/SSB and CQWW/CW are coming too for a busy month. Rich KE3Q will be WP3R for both SS tests.

Propagation news: K4MA reports three recent solar flares have boosted the index to 150 but may cause the K index to be 7 or more on Saturday.

K4TMC sent his regrets and said he's on the trail of an interesting military 50' tubular crank up tower (AB577) that is good for 10 square feet at 75mph. Henry's working with KE3Q to try to get a quantity break and maybe get some of these towers to the Maryland or Virginia area from the source in New York. The undiscounted price w/o shipping is $400 new and $325 used. The 9/97 "CQ" shows an array of these towers holding a monster 15m monobander and the 11/98 "QST" shows another example during Field Day. Contact Henry at for more details.

ARRL certificates and awards:
N4TL - 10m 1st place Roanoke mixed
K4QPL - DX 1st place NC LP/CW
NX9T - DX 1st place NC HP/SSB 15m
KS4XG - DX 1st place NC HP/SSB
N4TL - VUCC for 100 grids confirmed on 6 meters

Around the Table. KF4ARS will be doing the midnight to 3am shift during SS/CW from the W4ATC club station at NC State U.

KS4XG enjoyed the AA4NC station with callsign W4MR for CQWW/phone (15m). K4QPL will be using the KS4XG station for SS/CW. Jim mentioned that his buddy John K4BAI will be using the W4AN station for SS. We all wish John well and look forward to witnessing his performance with competitive equipment. Jim continues to shop for goodies for a Rohn 25 tower of 70-70 feet.

N4CW is moving dirt! Bert reports the tower hole and one guy anchor hole have appeared in the clay and sandstone at his Raleigh QTH. He estimates a tower raising party in December or January to put up 90' of Rohn 25. A trip to his Maine QTH is coming up and he'll be hauling his Rohn 45 up there. Bert will be burning up his wire antennas during SS this weekend.

N3QYE has organized a serious effort for SS at the W4ATC station and has updated log charts of SS rate graphs at http://w4tc.ece.ncsu.edu/~n3qye/

WX4DX has has the ex-AA4NC Pro67 up on his tower and is very pleased with its performance. George took part in CQWW/SSB and has gotten a copy of CT set up for upcoming contests.

K4HA took part in CQWW/SSB in between helping with NT4D and AA4NC antenna work. Bob described tests he and K4PB made with their FT1000MPs after they added the Inrad IF modification to reduce noise. They are very impressed with the improvement available with this inexpensive modification.

AA4NC thanked those who helped with his tower work to get over lightning damage and finish upgrades. Will reported that both 40m antennas are up but there is a phase problem with the stack switching. He also recently got a 2nd FT990 to replace his IC736 so he has matched transceivers now.

NT4D thanked those who helped with getting his KT34XA and M2 4el 40m yagi erected. Jay is very pleased with the performance of his new tower and antennas based on some tests during CQWW/SSB and he looks forward to SS/CW.

NX9T took part in CQWW and pushed his tribander and wires hard. Jeff is also reving up for SS.

K4MA got his first opportunity to try his newly completed home station with a serious effort in CQWW/SSB as SOAB w assist. Jim was very pleased with his antenna performance on 40-10 meters. He got all zones except #21 on 20 meters and provided a few observations about propagation during the contest.

Next Month. The next chapter meeting will be at Ryans in Cary 6pm December 10th (NOTE: SECOND THURSDAY FOR DECEMBER ONLY).

CENTRAL MEETING MINUTES - 11/9/98 by Tyler Stewart, K3MM

In attendance were members: WR3L, W1HIR, W3DQ, K3OSX, AA4KD, N4MO, W3ZZ, WI2T, W3AZ, N3RC, N3RR, K4VV, N3OC, K7LU, K3ZJ, KU3M, K3MM and guest speaker, N4XX.

Most of the allotted time was spent by N4XX, who gave a very interesting presentation on 160M propagation.

By unanimous vote, the board-recommended slate of officers nominated at the last meeting were re-elected for 1999.

K3MM announced that the Christmas Dinner will be held at the same location as last year, Olive Garden in Tysons Corner, VA on the regular second Monday meeting night, December 14th starting at 6PM. Features for the evening will be an awards presentation with no less that SIX ARRL club gavels and the first round of the PVRC 5 Million Awards. After the awards, we'll have mini slide shows from K3MM at PJ9B, N3OC at V26B, KE3Q at WP3R, and possibly K4ZW from who-knows-where!

(We had just a few minutes for "intros" at the end of the meeting before we got kicked out of the library, so please excuse the brevity/omissions.)

WI2T was at W3GNQ for CQWW Phone and missed SS CW due to his anniversary.

W3AZ wasn't on for WW, but got on for SS CW, missing ND.

AA4KD did 66k in WW ph and noted the confirmed lack of VE's in SS CW

KU3M has been having lots of antenna problems.

N3RR's IC781 died during WW ph and is back at the factory. His group made 800 x 79 M/S in SS CW

K4VV was one of the op's at N3RR's for SS CW.

K3MM was at PJ9B for WW phone doing mostly 40 meters with a new 3 el 40 meter beam at 125'! Numbers were 2552/139/34 on that band. Beverage antennas were very helpful to the performance on 40. Overall claimed score is just over their previous world record at 58.6 million, but probably wont hold up after scrutiny. SS CW was barely a personal best at 1306 x 79.

N3OC was at V26B for WW phone where he reports they had the best time ever. With a lot of operators available, they set up 6 hour operating shifts which allowed everyone lots of R&R time. Brian lamented the fact that during he broke his Heil's during SS by yanking the long cord out and didn't have a backup set. Meeting adjourned.

EASTERN-SHORE MEETING, 11/15/98 by Dallas Carter, W3PP

The ES chapter of PVRC met at noon on Sunday 15 November at the shack of W3PP. Members present were Dallas W3PP, Ed KE3ZR, Ron W3OR, Jim NV3V, Glenn N3HUV, Pat KW3Z, Gene W3ZZ and Fred K3ZO. Present for his second meeting was Layton KE3ZZ.

Dallas confirmed all telephone numbers and E-mail addresses for ES members for update to the club roster. Corrections will be sent to W2GG under separate cover. Layton submitted an application for membership, which will be hand carried to the next central meeting by Fred. Layton was one of the three operators in the KE3ZR M/S RTTY Roundup in January that netted 1st place for U.S. and Canada.

KE3ZR commented in his new antenna installation on Friday (the 13th). All went very well, and he now has a TH7 at 93' and a 2 el Cushcraft 40 at 82'. He is in the process of installing his C3 on a rocket launcher, with a Dipole and 900' horizontal loop for 80. With his FT-1000MP and Titan Linear he should be heard well in SS next weekend.

KW3Z said that he gave CQWW a try at home. The event was planned to get his son AA3KE involved in contesting, but it seemed that Girls and computers took their toll and Erik made no QSO's in the process, although he did walk through the shack once. Pat will try again on the CW weekend.

NV3V mentioned that he has a stand alone DX node in Greensboro, MD, and is looking for 220 gear to bring in the backbone from WR3L. That would give us a good second source for packet here on the lower shore. AA1K hopes to complete the FRC node in Felton, DE within a week or so.

W3ZZ discussed low band antennas. Of particular interest were his comments regarding EWE antennas. Gene says that he has been focussing on VHF and UHF in the past few years and only made about 10 or 12 QSO's in the SS.

W3OR said that although he had some damage to his VHF/UHF arrays in the summer storms, he is holding off on repairs until his new 5 GHz dish is completed. Then he will have a tower taken down, make repairs and install the new dish. He and Gene discussed something called F2 openings, must have to do with VHF stuff, I didn't understand much of it.

K3ZO made note of his tactical error in the recent SS, by too much S&P. He also noted that during the Aroura on Saturday night, by pointing his 40m beam north, he could here everyone everywhere. It produced his best runs. Fred also mentioned that his new EWE antenna hears very well on 160. Now he will be able to work someone there.

N3HUV mentioned how he enjoyed the SS this year. He knew there was a lot of DE activity because no one asked him to QSY north a few yards. Glenn

lives on the MD/DE line. He is now putting together a voice keyer and will be ready for the SSB portion.

It sure was great to have Fred and Gene visiting us over here on the shore. Hope to have more of you join us in the future.

NW REGIONAL MEETING MINUTES 11/17/98 by Tyler Stewart, K3MM

Greg being otherwise occupied, I took care of the NW meeting this month. Due to Greg's absence, we had a record attendance of 24!

Those present were members: K3MM, K3IXD, N3KTV, W3EKT, WD3A, K3TZV, WA3IKK, K3SX, NE3H, N8II, W8ZA, K3UT, K1EFI, K3DNE, K3LP, W6HZW, K8OQL, KI4HK, W3NRS, KT4W, W6NRJ, and N3HBX. Also present were guests K3ACG and non-ham Tom Broderick.

After another fine meal and some huge mugs of beer, we called the meeting to some semblance of order.

KT4W has been doing tower work recently at N4RV's QTH. W3NRS, one of a few recently lighter NW members reports he is down to 248 and falling, but has no plans for SS phone. WA3IKK, Dusty, reports working the BQ9 on 3 bands.

K3TZV recently finished his recabling project. He managed to work VQ9 on 3 modes! The PA region has had 2 regional meetings so far in 1998 and hoping for a third. They recently added 3 or 4 new members. Steve reports that KC3TL just had an antenna party for an F12 C4 raising that he is very happy with the results. WD3A did CQWW phone at W8ZA's. With 175 QSO's in SSCW, Tom reports making SLOW progress towards the 5 million award!

W3EKT has been out of town and is doing lots of yard work now that he's back. N3KTV is contemplating a new 2 meter for his truck to make up for the recent repeater troubles.

K3IXD reminded us that N1KC is now taking orders for shirts, etc. Ed offered to deliver the goodies to a NW meeting of we wanted to order. He'll be on for CQWW phone from home. He recently put up a 2el 2meter Big Wheel at 70 feet. Local testing yielded QSO's through 1296!

KI4HK had lots of fun at K1DQV's for CQWW Phone. K3UT recently helped him do a bunch of tower painting at his Point of Rocks QTH. N3HBX will be on for SS phone if he can get his rotator to stop slipping.

K3DNE has been playing in the Leonid's shower with his best DX a W7 in South Dakota. Ed helped out the W8ZA crew for CQWW phone - his first HF Multi! He's going back for SS phone to do a single op.

K1EFI was depressed after working CQWW phone with only a G5RV antenna and is now looking for some 25G so he can build a better signal.

K3UT has been doing a lot of antenna work. He recently put up phased verticals for 75/80 meters and he was at DQV's for WW phone. K3ACP was a

guest of K3UT. He's been inactive for many years, but is now retired so is hoping to have some time for ham radio again.

W8ZA put on a 3 station multi-multi for WW phone. He put in a couple hours in SS CW for 155 Q's. Bob reports that the station has performed well with only a few minor glitches left.

N8II was lamenting the fact that he chose to do CQWW phone as a single band 10 meter entry. He beat his head against a wall trying to work EU. He put in a great effort in SS CW LP with 1021 Q's x 78 mults, missing Maritime. He averaged at least 60 Q's per hour til 04Z but is was very slow Sunday. He'll be at W8ZA's for WW CW.

NE3H thinks he is the Cumberland County winner of the PA QSO party. He did a part time effort in WW phone. A direct quote:" My mother-in-law died and screwed up my SS CW weekend!" Joe recently spent some considerable effort filtering his phones from RFI.

Recent antenna work includes a K1FO yagi which he says was really tough to deal with in 40 mph gusting winds! He has a new brick amp on 2 meters. He has also been working on low band RX antennas with a 160M EWE up and some slinky's on the way.

K3SX is almost skinny having recently lost 62 pounds! He's been adhering to a 1500 calorie and 1 hour exercise per day regimen and it shows! Congratulations! He says 160 has been disappointing so has been working on building up his VHF station inside. He worked his first VE's in last weeks aurora opening.

W6HZW did SS CW from N3RR's - his first CW contest! He had a great time. W6NRJ was at K1DQV's for CQWW phone and spent most of his time gawking at Roger's Big Bertha array! He's been having success working with wire antennas, especially 1/2 square phased loops.

K3LP was J6/K3LP in CQWW phone had fun trying to work other PVRC members. He had some problems breaking in the local operators, loading CT into antique computers and putting up with a lot of cross station interference. Tomorrow he will be pouring concrete for 2 new tower bases at his home QTH! He'll be at W3LPL's for CQWW CW.

K8OQL will give out Berkeley County WV in SS this weekend and will be at W8ZA's for WW CW.

K3MM was at PJ9B MM for WW phone. He operated 40 meters with WA3LRO amassing 2550 QSO's, 139 countries and 34 zones using a new full-size 3 element 40 meter beam at 125 feet! Use of beverages was very important and they have lots of good ones. Claimed score was 58.2 million...just over their own world record, but probably wont hold after log checking. SS CW was just barely a personal best with 1306Q's and a sweep. With K3LR reporting 1311, it'll be interesting to see what happens with the log checking this year. He'll be back on for SS phone and back at W3LPL's on 20 meters with K3RA for CQWW CW.

K3MM reminded everyone that the PVRC Christmas dinner will be at the Olive

Garden Restaurant in Tyson's Corner, VA on December 14th starting about 6 PM. There will be lots of awards to present and the program will be mini slide shows by K3MM on PJ9B, N3OC on V26B and FS, KE3Q at WP3R and ?, and possibly K4ZW from who knows where! It should be lots of fun and good food, so don't miss it! We also voted in 4 new members at this meeting!

W6NRJ is Jim Locke, an Extra from Darnestown, MD. Jim enjoys many activities but especially 160 meters.

W3INK, Stan Staten is an Extra from Gaithersburg, MD. He's just starting to learn contesting. He's active in MARS and the Montgomery ARC. He's also run's the W3INK packet BBS.

W3CB, Cliff Bedore is an Extra from College Park, MD. He's been meeting with the BWI group and is now voted into PVRC!

N3WK, William Klocko is an Extra residing in Annapolis, MD. Sponsored by K3DI, he's operated at Dick's a couple of times now. He also enjoys traffic handling.

Congratulations to these new members! With no more announcements, meeting was adjourned!

OVER-THE-HILL LUNCHEON 11/18/98 by Ben Shaver, AA4XU

On Wednesday noon, November 18, 1998, the following attended the PVRC Over-The-Hill Lunch meeting in Annandale, VA: K6ETM George Sinclair, K3ZO Fred Laun, W3ZZ Gene Zimmerman, W3UJ Henry Herman, W3XE/M Andy Andersen, W3GN Laurence Fadner, W6AXX Howard Leake, W4RV Sam Brown, W3AZ Bill Leavitt, W4RX Jim Ahlgren, AA4XU Ben Shaver.

FIRST SOUTHERN MD MEETING MINUTES 11/23/98
by Barry Shapiro, WR3Z

Site. Home of N1WR, Wayne Rogers, on 23 November 1998 at 7:30 PM.

Attendees. WR3Z, Barry; KD4D, Mark; N3WZR, Chuck; N3HRT, Marty; N1WR, Wayne. All in attendance are current PVRC members.

Agenda. Being the kick off meeting for the Southern Maryland PVRC region, immediate attention was directed toward an outreach effort for recruiting additional members for PVRC from the region. Attendees had several potential recruits in mind, which included hams who were both active in HF and VHF/UHF activity. More to follow on this.

Other discussion topics included recent and upcoming contest activities. This mainly covered the recent Sweepstakes activities. WR3Z reported scores of 98K for CW, 96K for SSB. N1WR reported a score of 95K for SSB. KD4D reported a score of approx 97K for CW. All were reminded of posting their scores to the Reflector and submitting their scores to ARRL. Also discussed were the upcoming 160M and 10M contests (club competition contests).

A vote was taken that future meetings will be held on the 1st Monday of each month. Location will be at N1WR's home until alternate locations are

found. 146.775 will be the monitoring frequency. There will be no December meeting (too close to the Christmas dinner). The next meeting will be held on 7:30 PM Monday January 4th at Wayne Rogers, N1WR, 2319 Park Chesapeake Drive, Lusby, MD. 410-394-0313 Monitor: 146.775 repeater

SHORT NOTES by the editor

Though not a PVRC function, many of our members will be attending the sixth annual "Beezer" Christmas dinner at the Cuckoo's Nest, 3333 Olney-Sandy Springs Road (Rt 108) in Olney, MD. The dinner will be Monday, December 21st with arrival about 6:00 pm and dinner at 7:00 pm. All dishes are $20 (except $25 for the 16 oz NY strip steak) including tax and tip. Dishes are chicken parmesan, shrimp scampi, sauteed chicken marsala, fried seafood combination (shrimp, haddock. oysters, backfin crabcake), baked stuffed flounder, NY strip (10 oz), and prime rib (10 oz). Served with tossed salad, backed potato, and coffee or tea. Dessert is chocolate sundae, apple pie, or sherbet. Bob Lutz needs a head count and menu selection no later than December 14th. He requests a reply via packet to W2BZR. (His home 'phone is 301-253-2018.)

PVRC Member, Owen Wormwer, K6LEW, was elected as Vice Chair to the National Frequency Coordinators' Council. The NFCC's new web site is open at http://arrl.org/nfcc. Among other things, the site contains the ARRL/NFCC memorandum of understanding, the NFCC Bylaws as amended last January, and the NFCC Certification Standards. (ARRL Letter via K3ZO)

QSLing reminders: Effective January 1, 1999, the ARRL Outgoing QSL Service fee increases to $6 per pound (or portion thereof). Other fees remain unchanged; $1 for 10 cards, $2 for 20 cards and $3 for 30 cards, etc. On January 1, 1999, US first-class postage goes to 33 cents. Remember to send your Incoming QSL Bureau extra postage. (ARRL Letter via W3LEO).

PVRC DX peditions: Please send me your DXpeditions plans for inclusion in the Newsletter.

ARRL CW:

NP2S (SO) by K3DI

ARRL 'PHONE:

HK/San Andres. K5OF and AA3KX with score to Woodbridge Wireless.
VP2V (M2) by W4NF, W4RM, W4CE, & W4DAV.

My goal is to have the Newsletter in your hands a few days before the monthly central meeting. I back time production based on the printer's schedule (a one person shop who takes about 4 days), a guess of the postal delivery, and my schedule. I mention this because the January issue will be close. While away for the holidays, I hope to retrieve my email, edit the material, and rush it to the printer when I return and hope she can get it out in two days.

After the rush of scores and order forms, I'll be looking for more articles. If the article is text only, I usually convert it to an ASCII text file before importing into the Newsletter so you don't have to worry about making it pretty. Also, I can pass the article by my XYL (former English teacher) before it hits the presses.

As a way to entice new members into contesting, I have announced in our

Autocall column that PVRC is distributing free shareware copies of CT 6.26 with updated ARRL.CTY, CQWW.CTY, and SS.SEC files in the old CT6 format. As yet, I have not built a MASTER.DAT file. I am limiting distribution to anybody in our 175 miles radius contest area or PVRC members living anywhere. Do you know of a Ham that could be a future PVRC contester? For a copy, send an email request to the editor for reply via an email attachment. Or, send either a 1.2M or 1.44M floppy with return postage to the editor. See the reference page for addresses. The disk will also contain the popular VHF contest program by WG3E.
If you hear KF3P it is not via a time delayed propagation warp (or whatever it is called) it is because that call is now assigned to PVRC/NW with Tyler, K3MM, as trustee.

Please notice that the C3I advertisement in this issue of your Newsletter lists their VHF antenna line. Support form C3I and HRO are important to defray production costs and we request that you consider our advertisers when upgrading your contest station.

Long time member Dick Phelps, N4RP, of Delray Beach, FL is currently active as C6AKP.

FINAL QSO WITH A TRUE WORLDWIDE STATION by Greg Altig, N5OKR

The following by VE2DOH is from the Royal Naval Amateur Radio Society reflector. In my relatively modern Naval career, PCH was a night or day source to double check the calibration of the R390s.

Any marine operator will remember the universal signal pervading the bands and spanning many decades of Scheveningen Radio/PCH. PCH was one European station that could be heard in just about every corner of the world, DAN was a close second. The GKA, B and C broadcast signals from Portishead, although beamed for the appropriate areas, were often dwarfed by powerful PCH, which was one reason we relied so much on the Long Distance Area Scheme.

An excellent video is available entitled QRT 500 portraying the last signals transmitted from coast stations around the U.K. December 31, 1997. The following quote details the closure of PCH, yet another sad reminder of the halycon days of professional CW.

On 1 January 1999 PCH will close down permanently, but there will be a farewell day :

From 19 Dec 98 1500 UTC until 20 Dec 98 it will be possible to work PCH crossband: CW only use call PCH (approved by DRD) on: 4250/3525, 8622/7025, 12799.5/14050, 17198.9/18085.

S C O R E S
by Bob Dannals, W2GG

* * * Changes/additions/deletions to * * *
* * * or packet * * *
BE SURE TO SEND YOUR SCORES TO ARRL OR CQ!
= missing information

ARRL CW SS Scores #6 11/16/98

ARRL CW SS (#7 12/01) by W2GG

CALL	PWR	QSO	SEC	TOTAL
** SINGLE OP				
K3MM	B	1306	79	206,348
N4AF	B	1305	79	205,874
W4MR	B	1276	79	201,608
W3PP	B	1245	79	196,710
K3ZO	B	1196	78	186,576
N4ZR	B	1138	78	177,528
N8II	A	1021	78	159,276
N4CW	B	996	78	155,376
K1HTV	A	947	79	149,626
K3SV	B	930	79	146,940
K4MA	A	885	79	139,830
W4YE	A	841	79	132,878
W3MC	A	837	79	132,246
K4QPL	A	837	77	128,898
K7GM	A	763	79	120,554
N3NT	A	748	78	116,688
K3KO	B	715	77	110,110
N3AM	B	708	76	107,616
W3HVQ	B	641	79	101,278
W9LT/8	B	671	75	100,650
N3II	B	635	79	100,330
WR3Z	A	629	78	98,124
K3KY	B	623	78	97,188
N3OC	B	599	78	93,444
KM3V	A	581	78	90,636
W3DA	B	###	79	90,000
K3AN	Q	576	77	88,704
K4IQ	A	575	76	87,400
W3UJ	A	553	79	87,374
N4MO	A	563	72	81,072
W3AZ	B	507	78	79,092
WD3P	Q	539	73	78,694
K2AV	B	464	73	67,744
K3SA	A	450	73	65,700
KU3M	B	394	73	57,524
W3CB	B	382	75	57,300
W4PRO	Q	344	79	54,352
K2UOP	B	364	74	53,872
W3CP	A	337	78	52,572
N4GU	A	355	73	51,830
K4PB	A	334	75	50,100
N1WR	Q	339	70	47,460
AA4KD	A	299	68	40,664
N3WK	Q	200	63	25,200
NX9T	A	200	60	24,000
K1GG	B	181	66	23,892
W4VC	A	161	73	23,506
ND3F	A	165	58	18,500
W3DAD	A	141	53	14,946
K4SO	B	129	56	14,448

W2CS	B	134	52	13,936
N3RC	A	104	50	10,400
W3GN	B	36	22	1,584
N4MM	B	5	5	50

** MULTIOP & SINGLE ASSISTED

W4MYA	B	1153	79	182,174
W4RM	B	1122	79	177,276
NJ4F	B	1031	79	162,898
N3RR	B	863	79	135,722
NT4D	B	870	79	137,460
WR3L	B	754	79	119,132
W4ATC	B	727	79	114,866
K3DI	B	718	79	113,444
W4ZYT	B	636	79	100,448
W2GG	A	523	79	82,634
NY3M	A	367	79	57,986
K3HH	A	222	65	28,860
KT4W	B	100	40	8,000
67 LOGS		TOTAL		6,239,148

** SPECIAL OPERATIONS **

WP3R	B	1565	79	247,270
	by KE3Q			

Visiting operators:
AA4NC was operator at W4MR

Multiop operators:

W4MYA	WA4QDM W4MYA
W4RM	W4RM W4NF W4CE
NJ4F	NJ4F K7SV K4GMH K4EC K3IZ
	K1SE K4EU Daisy
N3RR	K4VV W6HZW N3RR
NT4D	NT4D packet
WR3L	K3FT N3YHC WR3L
W4ATC	KO4PY NA4G KF4ARS KE4LSU
	N3QYE KD4SKW KF4USQ KF4LNQ
K3DI	K3DI packet
W4ZYT	W4ZYT W4SD KC4VZK AF4CD
	KU4EC
W2GG	W2GG packet
NY3M	NY3M Dave Long
K3HH	K3HH packet
KT4W	KT4W packet

LAST YEAR - UNLIMITED CATEGORY

	logs	Total CW & SSB
Potomac V R C	154	12,778,736
Northern Ca C C	115	10,923,976
Southern Ca C C	51	6,681,810

Yankee Clip C C 90 6,181,914

CQWW DX SSB (#7 12/01) by W2GG

CALL	BND	QSO	ZON	CTY	TOTAL
SINGLE OP HIGH POWER -UNASSISTED					
K3ZO		2353	140	457	3,961,095
K3LP/J6		2847	93	295	2,456,040
NX9T		1163	118	379	1,600,000
K2UOP		612	90	257	576,020
N4CW		552	85	248	501,498
WA4JUK		624	84	216	504,000
K4HA		502	98	258	489,144
W4MR	15	1033	30	120	430,030
AJ3M		511	88	214	401,056
N3RC		490	80	214	397,488
KC4B		514	64	195	376,327
KC3TL		464	81	226	360,418
KE3Q	10	793	31	133	330,000
N8II	10	737	29	125	311,388
W7CAV		395	64	180	268,888
K4RZ		###	66	176	265,474
N4AF		###	##	###	200,000
K4IQ		252	49	142	129,689
N4ZR		242	49	136	126,170
K3SV		200	65	148	112,038
W4IF		186	39	111	79,500
W4SD		162	50	111	67,942
K3IC		242	22	75	66,833
K3MLA	10	218	28	71	58,905
N3QYE		167	38	86	55,924
N4MM		###	##	##	44,892
W4PRO		116	88	49	42,333
K3OSX	10	118	21	60	25,758
W3JRY		78	27	53	14,960
K7LU		71	23	48	13,774
W8LRL	160	77	16	42	10,672
SINGLE OP LOW POWER - UNASSISTED					
W3UJ		770	85	273	760,034
N4MO	15	642	31	118	274,309
K4TMC	10	345	25	89	109,896
W3YD		186	39	97	68,952
AA4KD		170	53	110	66,341
W3CP	15	223	21	80	61,812
K1SE		176	41	99	61,740
K1EFI	20	183	21	79	50,000
N3TG		117	38	78	35,032
K3GEG	10	137	19	53	26,568
W4YE		###	31	58	22,517
N3EYB		57	19	40	8,437
N4BTO		37	16	25	3,977
SINGLE OP QRP - UNASSISTED					

SINGLE OP ASSISTED

K4MA		1464	153	511	2,675,256
N2QT		1294	138	473	2,161,718
W3HVQ		620	109	309	705,166
N3II		565	108	320	654,840
KB3AUG		569	94	301	616,595
K3KO		555	85	243	509,712
N3NT		448	87	230	378,181
K3IXD		425	83	242	375,700
NV3V		478	78	193	350,000
NT4D		417	85	222	348,445
N3GPU		403	64	177	261,967
N4GU	15	434	32	114	174,470
K4SO		241	56	167	147,626
WR3L	15	330	32	115	136,710
NE3H		184	54	122	86,592
W1WTG		153	53	105	69,046
KO4MR	10	179	30	99	63,468

MULTI - SINGLE

W9LT	1833	153	544	3,526,123
W3GNQ	1551	144	515	2,831,723
N4RV	1484	147	531	2,780,000
HZ1AB	1394	93	311	1,576,408
N1WR	1018	111	368	1,338,720

MULTI - MULTI

W3LPL	6069	179	739	15,282,864
W4MYA	3839	172	639	8,440,077
PJ9B	19624	189	825	5,820,000
V26B	####	###	###	3,227,000
W8ZA	1557	137	477	2,642,042
KH7R	####	###	###	1,812,500
K3DI	907	131	462	1,462,931

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73 LOGS TOTAL 76,283,751

LAST YEAR (SSB & CW)- tnx KE3Q!

Frankford R C	360,666,652
Yankee Clipper C C	296,323,389
Potomac Valley R C	135,331,448
North Coast Contest	71,646,476

* * * * * * * * * * * * * OPERATORS:

HZ1AB	K3NA
K3DI	W3ICM K3DI
KH7R	ND3A plus 15 non-PVRC ops
N1WR	N3WZR N3AFT N3HRT N1WR
N4RV	N4RV KT4W
PJ9B	K3MM plus 9 non-PVRC ops
V26B	N3OC plus 11 non-PVRC ops

```
W3GNQ  W3GNQ KA3QPG W3ZZ WI2T WR3Z
W3LPL  K1HTV AI3M W2GG K3KY ND3F
       N3GB W3LPL K3RA KD4D K1RA
       K1RZ N5OKR K5OF
W4MYA  K4BAM KB4DI KB4YPN KD4JXY
       KF4QQY N4EHJ N4ZJ W4DAA W4DR
       W4HZ W4MYA W4PFM(5X4F) W4SPT
       WA4DAI WK4Y WU4G Lilly
W4MR   KS4XG
W8ZA   W8ZA WD3A K3DNE K3SX
W9LT   W9LT K3ZJ K8OQL K4SLR KU4KV
```

ARRL PH SS (#3 12/01) by W2GG

CALL	PWR	QSO	SEC	TOTAL
** SINGLE OP K3MM	B	1770	79	279,660
W4MYA	B	1545	79	244,100
K3ZO	B	1557	79	245,690
W3PP	B	1496	79	236,368
K4MA	B	1421	79	224,360
W0CN	B	1400	79	221,200
K4IQ	B	1300	79	205,400
K1HTV	A	1275	79	201,450
KE3ZR	B	1001	79	158,158
W4MR	B	1000	79	158,000
N4AF	B	875	76	132,848
KB3AUG	B	831	79	131,298
NX9T	B	750	79	118,500
W8ZA	B	726	79	114,708
W3HVQ	B	713	79	112,654
K3MQH	A	700	79	110,600
W4YE	A	663	79	104,754
N4MO	A	637	79	100,646
KC3TL	B	653	74	96,644
WR3Z	A	608	79	96,064
N1WR	A	617	77	95,018
4U1WB	B	578	78	90,168
K4SO	B	550	79	86,900
W3ZZ	B	540	78	84,240
KS4XG	B	500	77	77,000
N4GU	A	483	76	73,416
K3IXD	B	452	79	71,416
N3II	B	390	79	61,620
W3UJ	A	410	75	61,500
K4HA	A	363	79	57,354
NV3V	A	344	78	53,664
N4CW	A	350	75	52,500
W7CAV	A	301	79	47,558
K3AN	Q	298	78	46,488
N4ZR	B	290	72	41,760
W3CB	A	250	75	37,500
K4QPL	A	240	72	34,560
K3KO	B	206	73	30,076
W4VC	A	135	68	18,360
N3EYB	A	98	49	9,604

```
W3HVQ   B    28  26      1,456

**  MULTIOP & SINGLE ASSISTED
N3RR    B  1156  79    182,648
WR3L    B  1126  79    177,908
NT4D    B  1027  79    162,266
W4ATC   B   865  77    133,210
K3DI    B   532  79     84,056
K3SV    B   524  79     82,792
K1GG    B   500  79     79,000
N3NT    B   429  79     67,782
W2GG    A   359  79     56,722
- - - - - - - - - - - - - - - - -
50 LOGS     PH TOTAL  5,451,644
- - - - - - - - - - - - - - - - -
67 LOGS       TOTAL   6,239,148
- - - - - - - - - - - - - - - - -
117 LOGS GRAND TOTAL 11,690,792
- - - - - - - - - - - - - - - - -

** SPECIAL OPERATIONS **
WP3R    B  ####  79    ###,###
by KE3Q
VO1AA   A   515  77     79,310
By W4SD, W4ZYT, VO1HE, VO1MX
** GUEST OPERATIONS **
W8ZA by K3DNE
W4MR by AA4NC
4U1WB by AJ3M

Multiop operators:
N3RR    K4VV W6HZW N3RR
WR3L    K3FT N3YHC WR3L
NT4D    NT4D packet
W4ATC   N3QYE KF4ARS KE4LSU KO4PY
K3DI    W3ICM K3DI
K3SV    K3SV packet
N3NT    N3NT packet
W2GG    W2GG packet

LAST YEAR - UNLIMITED CATEGORY
                logs Total CW & SSB
Potomac V R C     154   12,778,736
Northern Ca C C   115   10,923,976
Southern Ca C C    51    6,681,810
Yankee Clip C C    90    6,181,914


 CQWW DX CW (#1 12/01) by W2GG

 CALL   BND QSO ZON CTY   TOTAL
 SINGLE OP HIGH POWER -UNASSISTED
K3ZO      3481 154 470 6,336,096
N4AF      3133 142 454 5,366,980
W4MR      2288 139 439 3,843,700
```

N4ZR		2122	129	421	3,389,100
WF3J		1300	124	377	1,863,219
W3MC		1421	110	337	1,842,534
K3OSX		1131	124	356	1,542,720
K3SA		932	116	373	1,306,119
W3GN		1006	112	343	1,267,630
NT4D		645	128	326	806,304
W9LT	15	1369	35	115	601,800
W3GG	40	939	33	117	410,250
N4MM		628	114	308	758,334
N3JT		500	74	207	394,805
W3CP	15	331	26	96	120,780
W4ZYT		154	54	92	61,612
W3TMZ	40	148	29	95	51,088
N4SLR	40	201	19	70	49,306
W4HM	10	190	23	68	47,957
K4VV	20	78	16	32	10,608

SINGLE OP LOW POWER - UNASSISTED

N1WR		967	109	344	1,257,258
W3UJ		864	98	320	1,080,948
K4PB		721	126	350	971,040
W3DAD		575	71	242	519,267
K7CMZ		546	87	246	497,169
N4MO	15	835	34	112	353,320
N3UN		359	82	203	281,010
AA4KD		346	63	175	223,958
W3CP	15	331	26	96	120,780
K7GM		188	47	103	77,850
K4EP		61	19	41	10,200

SINGLE OP QRP - UNASSISTED

SINGLE OP ASSISTED

K3KO		1400	135	416	2,208,408
K3SV		1297	114	434	2,056,644
N4ZJ		1225	125	423	1,929,508
W3HVQ		1099	123	359	1,508,660
N3II		698	118	351	925,806
K3DI		622	113	335	771,456
K4MA		583	110	278	637,484

MULTI - SINGLE

N4RV		2089	148	505	3,940,855
NY3M		497	100	297	552,227
K4KDJ		378	70	188	87,118*

MULTI - MULTI

A61AJ		13081	196	730	31,000,000

- - - - - - - - - - - - - - - - - -

42 LOGS	CW TOTAL	81,081,908

- - - - - - - - - - - - - - - - - -

73 LOGS	SSB TOTAL	76,283,751

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115 LOGS GRAND TOTAL 157,365,659
- - - - - - - - - - - - - - - - - -

LAST YEAR (SSB & CW)- tnx KE3Q!

Frankford R C	360,666,652
Yankee Clipper C C	296,323,389
Potomac Valley R C	135,331,448
North Coast Contest	71,646,476

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OPERATORS:

W4MR	N4CW
A61AJ	A61AJ KE3Q PA3GIP/T94S T93Y T97M W3UR
K4KDJ	K4EP plus two non-PVRC ops
N4RV	N4RV N4RA KT4W
NY3M	NY3M Dave Long

* one third of total score

Thanks for sending your score to W2GG but even more important did you remember to send your score to ARRL or CQ? Deadlines are listed on page one of this issue. -editor

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